



ENERGY SAVINGS FOR BUSINESS

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ESB Small Producers Energy Efficiency Deployment (SPEED) Water Heating Checklist

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INTRODUCTION

This document is intended as a guide to support the submission of accurate and complete Water Heating project applications. All applicants with Water Heating should ensure the application meets the SPEED Eligibility Requirements set out in the Participant Terms and Conditions, Contractor Code of Conduct and Eligible Measures List. The applicant must submit the requested documentation and answer the questions contained within this document.

This checklist includes guidance for what needs to be entered in each input field at Step 4 and Step 5 of the Application process. Step 5 specifically describes which documents need to be uploaded and their purpose.

GUIDANCE ON APPLICATIONS

The following sections provide guidance on Water Heating applications, ensuring that they are complete, accurate and comprehensive.

The applicant and/or contractor will also need to provide the following information in Step 4 and Step 5 of the application submission, as further described in the tables below.

STEP 4 OF PRE-PROJECT APPLICATION

CONDENSING STORAGE TANK WATER HEATER

- Condensing Storage Tank Water Heater
- Commercial Condensing Storage Tank Water Heater

Application Tip: Please try entering the ENERGY STAR ID you have for the Condensing Storage Tank Water Heater. If the ENERGY STAR ID does not work, please enter it as a Commercial Condensing Storage Tank Water Heater. ENERGY STAR has two different data sets for water heaters, so there are two options to ensure that the ENERGY STAR ID is accepted.

Field	What to Enter	How Data or Input Provided is Used
Quantity	Enter the number of measures being installed.	<ul style="list-style-type: none"> • Used to calculate eligible incentive. • Post-project QA/QC.
Specification Sheet	Upload the specification sheet for the measure. Indicate/circle which specific equipment is being used for the project.	<ul style="list-style-type: none"> • Post-project QA/QC.
ENERGY STAR ID	Seven-digit numerical ENERGY STAR ID.	<ul style="list-style-type: none"> • ID confirms ENERGY STAR specification and auto-populates the Brand Name, Model Name, Heater Type, Fuel Type, Storage Volume, and Input Rate.
Water Heater Input Rate (MBH) <i>For condensing storage tank water heaters greater than 75,000 BTU/h only</i>	The value in MBH (divide the BTU/h by 1,000).	<ul style="list-style-type: none"> • Calculate the eligible incentive.
Volumetric Capacity of Tank Being Replaced	Size of old tank in litres.	<ul style="list-style-type: none"> • Post-project QA/QC.
Input BTU/h of Tank Being Replaced	Capacity of old tank in BTU/h.	<ul style="list-style-type: none"> • Post-project QA/QC.
Age of Tank Being Replaced	Age of old tank in years.	<ul style="list-style-type: none"> • Post-project QA/QC.
Equipment & Material Costs	Enter equipment and material costs as indicated on the invoice/ quote.	<ul style="list-style-type: none"> • Calculate incentive cap. • Post-project QA/QC.
Labour Cost	Enter labour costs as indicated on the invoice/ quote.	<ul style="list-style-type: none"> • Calculate incentive cap. • Post-project QA/QC.
Design Cost	Enter design costs as indicated on the invoice/ quote.	<ul style="list-style-type: none"> • Calculate incentive cap. • Post-project QA/QC.

CONDENSING TANKLESS WATER HEATER

- Condensing Tankless Water Heater
- Commercial Tankless Water Heater

Application Tip: Please try entering the ENERGY STAR ID you have for the Condensing Tankless Water Heater. If the ENERGY STAR ID does not work, please enter it as a Commercial Tankless Water Heater. ENERGY STAR has two different data sets for water heaters, so there are two options to ensure that the ENERGY STAR ID is accepted.

Field	What to Enter	How Data or Input Provided is Used
ENERGY STAR ID	Seven-digit numerical ENERGY STAR ID.	<ul style="list-style-type: none"> • ID confirms ENERGY STAR specification and auto-populates the Brand Name, Model Name, Heater Type, Fuel Type, and Input Rate and Thermal Efficiency.
Quantity	Quantity of measure being installed.	<ul style="list-style-type: none"> • Used to calculate eligible incentive. • Post-project QA/QC.
Specification Sheet	Upload the specification sheet for the measure. Indicate/circle which specific equipment is being used for the project.	<ul style="list-style-type: none"> • Post-project QA/QC.
Volumetric Capacity of Tank Being Replaced	Size of old water heater in litres. <i>If replacing a tankless water heater, please list the GPM (Gallons Per Minute).</i>	<ul style="list-style-type: none"> • Post-project QA/QC
Input BTU/h of Tank Being Replaced	Capacity of old water heater in BTU/h.	<ul style="list-style-type: none"> • Post-project QA/QC
Age of Tank Being Replaced	Age of old water heater in years.	<ul style="list-style-type: none"> • Post-project QA/QC
Water Heater Input Rate (MBH) <i>For condensing tankless water heaters greater than 75,000 BTU/h only</i>	The value in MBH (divide the BTU/h by 1,000).	<ul style="list-style-type: none"> • Calculate the eligible incentive.
Equipment & Material Costs	Enter equipment and material costs as indicated on the invoice/final quote.	<ul style="list-style-type: none"> • Calculate the eligible incentive. • Post-project QA/QC.

Labour Cost	Enter labour costs as indicated on the invoice/final quote.	<ul style="list-style-type: none">• Calculate the eligible incentive.• Post-project QA/QC.
Design Cost	Enter design costs as indicated on the invoice/final quote.	<ul style="list-style-type: none">• Calculate the eligible incentive.• Post-project QA/QC.

WATER HEATER JACKET

Field	What to Enter	How Data or Input Provided is Used
Quantity	Quantity of measure being installed.	<ul style="list-style-type: none"> • Calculate the eligible incentive. • Post-project QA/QC.
Specification Sheet	<ul style="list-style-type: none"> • Upload the specification sheet for the measure. • Indicate/circle which specific equipment is being used for project. 	<ul style="list-style-type: none"> • Post-project QA/QC.
R-Value of Jacket	Enter R-value of the jacket.	<ul style="list-style-type: none"> • Confirm measure eligibility. • Post-project QA/QC.
Jacket Area (sq ft)	Enter the area the jacket covers in square feet.	<ul style="list-style-type: none"> • Confirm measure eligibility • Post-project QA/QC.
Volumetric Capacity of Tank <i>Optional</i>	Size of water heater tank in litres.	<ul style="list-style-type: none"> • Post-project QA/QC.
Equipment & Material Costs	Enter equipment and material costs as indicated on the invoice/final quote.	<ul style="list-style-type: none"> • Calculate the eligible incentive. • Post-project QA/QC.
Labour Cost	Enter labour costs as indicated on the invoice/final quote.	<ul style="list-style-type: none"> • Calculate the eligible incentive. • Post-project QA/QC.
Design Cost	Enter design costs as indicated on the invoice/final quote.	<ul style="list-style-type: none"> • Calculate the eligible incentive. • Post-project QA/QC.

STEP 5: ALL MEASURES

Field	What to Enter	How Data or Input Provided is Used
Cost Quote	<p>Quote or invoice should be itemized to include quantity, brand, model numbers for equipment, applicant name, contractor name, facility address and date (Sample quote provided in the Appendix).</p> <p>Costs should be indicated separately for:</p> <ul style="list-style-type: none"> • Equipment and Material • Labour • Design and Others • Taxes 	<ul style="list-style-type: none"> • Cross-reference against provided costs. • Calculate the eligible incentive. • Post-project QA/QC.
Electricity Bill for Facility	Upload the most recent electricity bill available for the facility.	<ul style="list-style-type: none"> • Ascertain rate class.

POST-PROJECT APPLICATION

Note that for the post-project application, you will be required to confirm that no changes were made from the pre-project application, unless an Application Change Approval Notice was issued by ERA. In terms of documents required, you will need to provide evidence of the following:

- Invoice for Project Costs
- Proof of Payment for Project Costs
- Post-Project Photo
- Conditions stated in the Notice of Pre-Approval

Participant may be subject to a QA/QC check and asked for additional documentation to facilitate a site visit.


APPENDIX

SAMPLE INVOICE / FINAL QUOTE

Quotes should be itemized to include quantity, brand, model numbers for equipment, applicant name, contractor name, facility address and date. Costs should be indicated separately for:

- Equipment and Material
- Labour
- Design and Others
- Taxes

A sample quote is provided below:

	Company Address: XXXX	
	Website: XXXX	
	Phone: XXXX	
PROJECT NAME: XXXX		Project Start Date: XXXX
		Project Completion Date: XXXX
Applicant Company: XXXX		Quote #: XXXX
Applicant Name: XXXX		Date: XXXX
Facility Address: XXXX		
Phone: XXXX		
Measure #1		
Fixture Description	LITHONIA CPANL 2X4 40/50/60LM 40K M2	DLC PMS5PPS6
Measure Description	LED 2x4 Recessed Light Fixture - 4,500 – 5,999 Lumen Output	QTY 63
Measure Equipment/Material Costs		\$ 6,538.71
Measure Labour Costs		\$ 13,251.74
Measure Design/Other Costs		\$ -
	Measure Total Costs	\$ 19,790.45
Measure #2		
Motor Description	ILA7080-H Siemens Semiotics 10 hp	
Measure Description	Premium efficient motor –ODP-10 hp	QTY 1
Measure Equipment/Material Costs		\$ 934.10
Measure Labour Costs		\$ 123.11
Measure Design/Other Costs		\$ 50.00
	Measure Total Costs	\$ 1,107.21
Measure #3		
Sensor Description	Occupancy Sensor	
Measure Description	Fixture Mounted Sensor	QTY 305
Measure Equipment/Material Costs		\$ 15,250.00
Measure Labour Costs		\$ -
Measure Design/Other Costs		\$ -
	Measure Total Costs	\$ 15,250.00
Total		
Total Equipment/Material Costs		\$ 22,722.81
Total Labour Costs		\$ 13,374.85
Total Design/Other Costs		\$ 50.00
	Total Project Cost	\$ 36,147.66
	GST	\$ 1,807.38
	Total Cost w/ GST	\$ 37,955.04